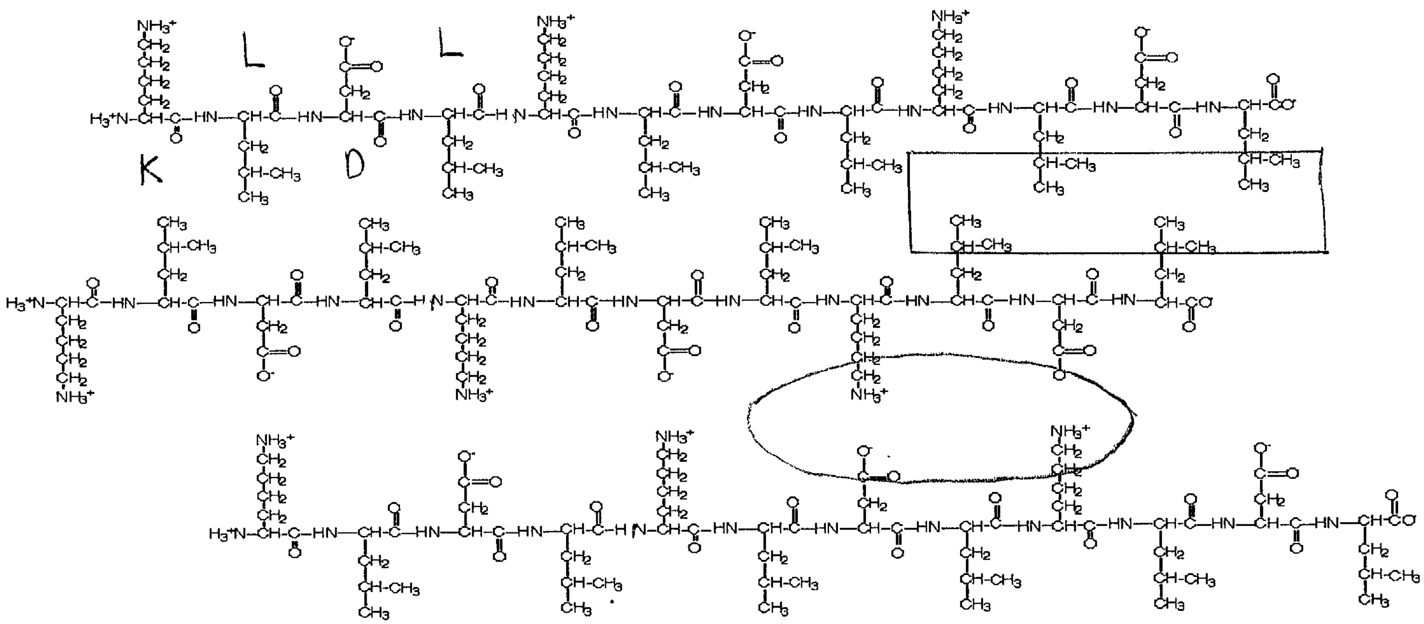
Figure 1



hydrophobic: ▭ and hydrophilic: ⬭

Figure 2

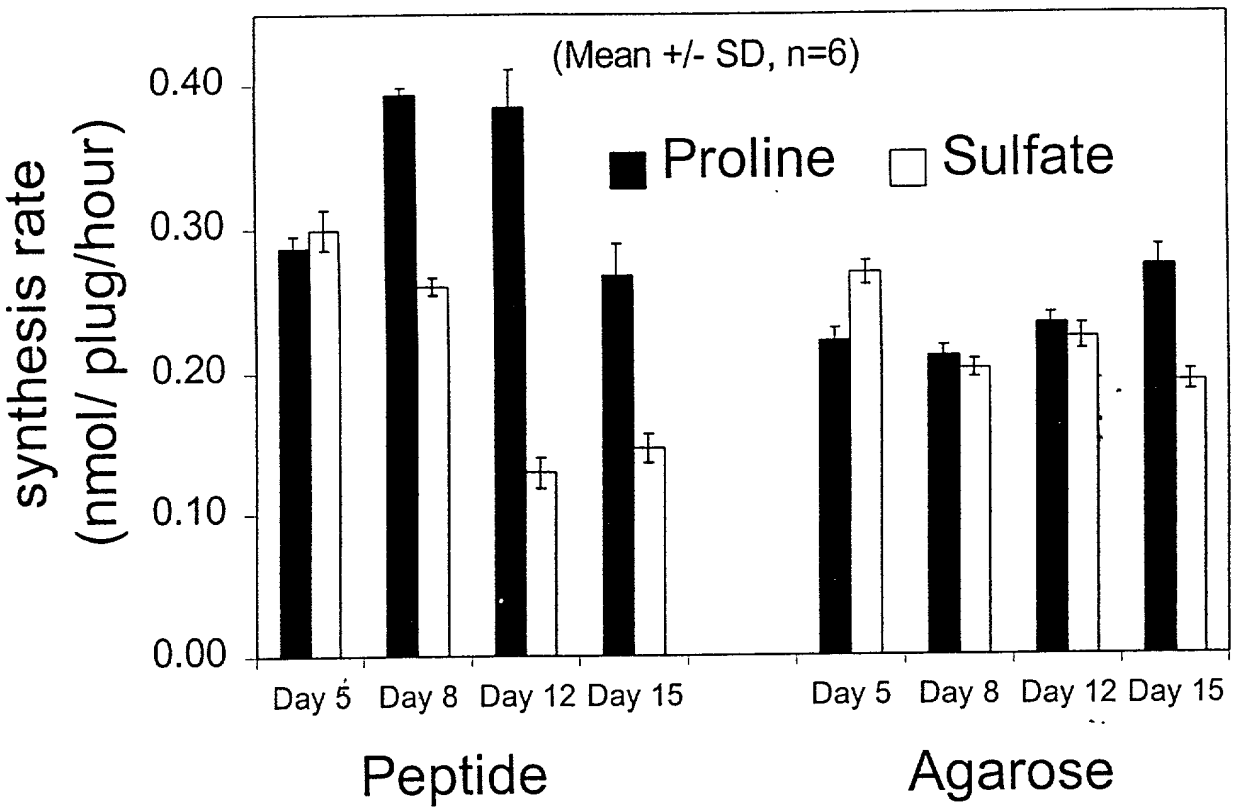

(Mean +/- SD, n=6)
Proline
Sulfate
synthesis rate
(nmol/ plug/hour)
0.40
0.30
0.20
0.10
0.00
Day 5
Day 8
Day 12
Day 15
Day 5
Day 8
Day 12
Day 15
Peptide
Agarose

Figure 3

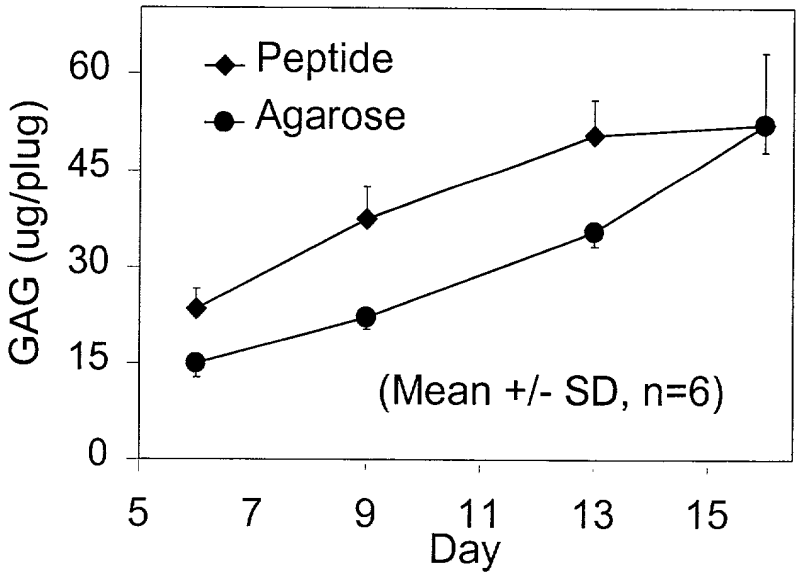

Peptide
Agarose
(Mean +/- SD, n=6)
GAG (ug/plug)
0
15
30
45
60
5
7
9
11
13
15
Day

Figure 4

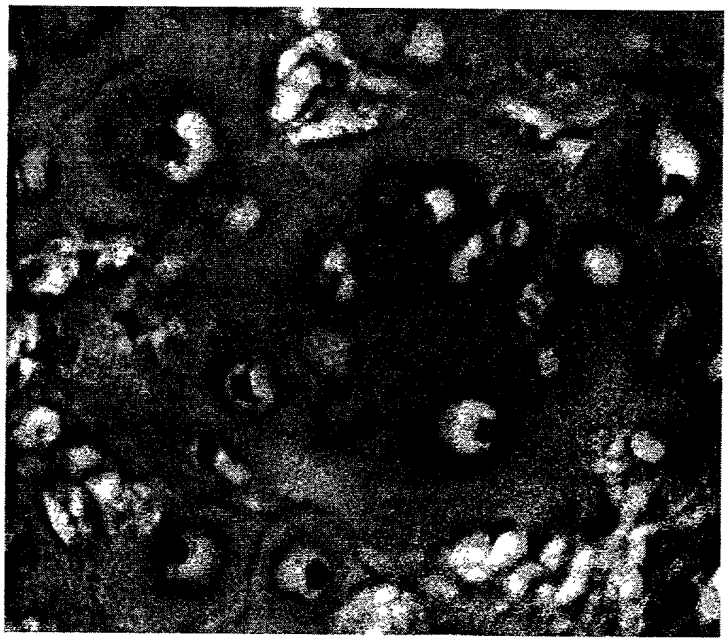


Figure 5

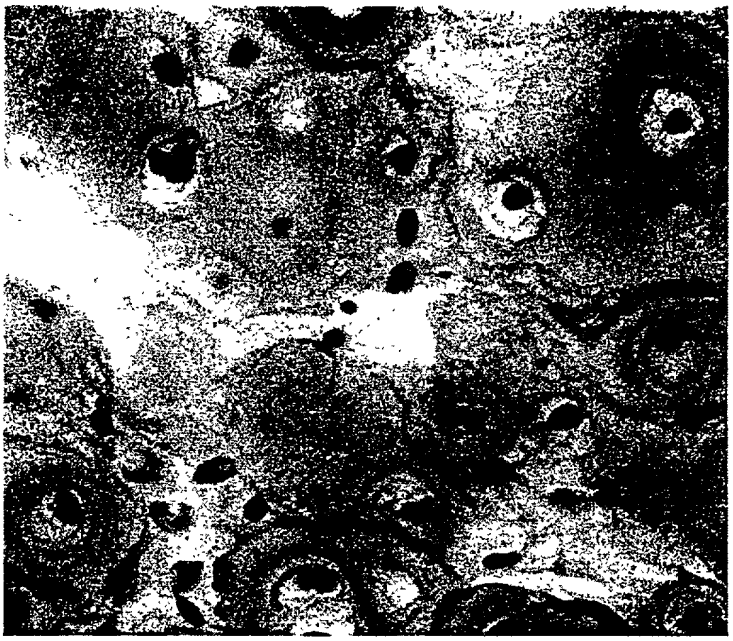


Figure 6

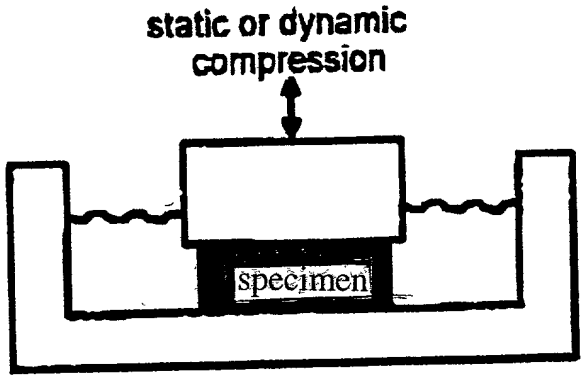


Figure 7

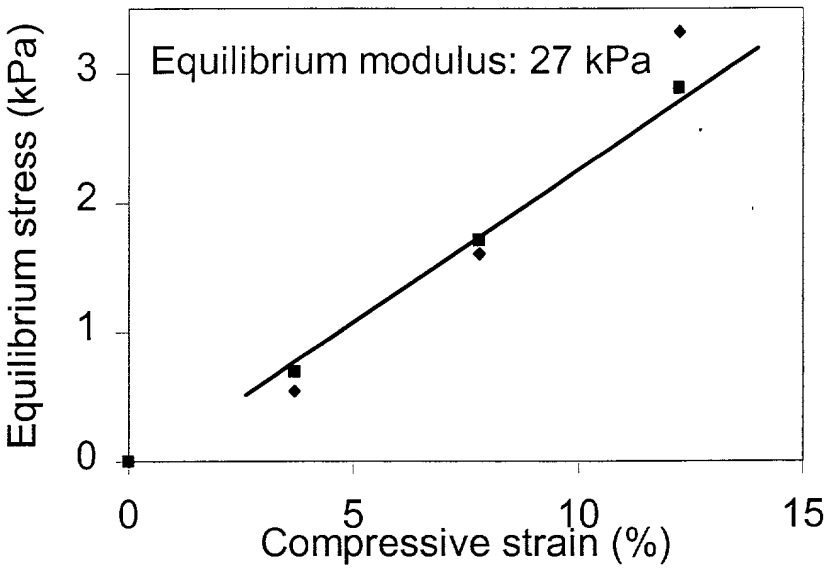

Equilibrium modulus: 27 kPa
Equilibrium stress (kPa)
0
1
2
3
0
5
10
15
Compressive strain (%)

Figure 8

Figure 9 **A**

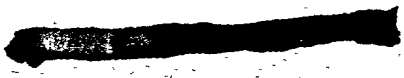


Figure 9 **B**

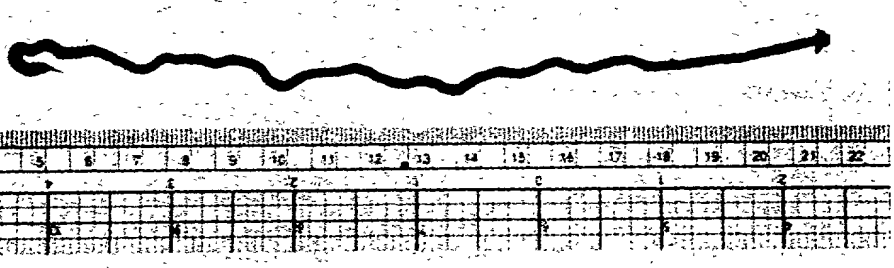


Figure 9 **C**